End Semester Examination (20 cgs 203)

Name: Perla Soi Wikhil

Rollno .: (4. EN . 44 C45 20058

(1) (vious -

Jobs no. 9 cylinder = 5000

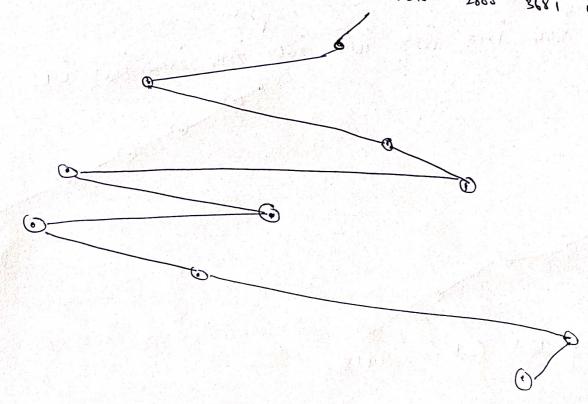
Curry swing = 2150

i) FCFS

2069 1292 2296 2800 544 1618 356 1523

4962 3681

0 356 36544 1212 1579 1615 2069 2295 2800 3681 4965 4989



6) SCAN

0 356 544 1213 1618 2069 2276 2800 3681 4965 499

Total head movement = 7115

c) C- SCAN

0 356 544 1213 1523 1618 2069 2276 2800 3681 4915 4999

7012 had Cont = 9918

568 5h4 1212 1572 1619 2017 2796 2800 2611 4965 4793

Told had cut = 7492

2 Bankers algorith -

| To | Alleredian ABCO | Mon ABCD | Awardsle ABCD | Need ABCD |
|----|--------------------|-------------|------------------|--------------|
| τ, | 0.012 | 6012 | 18520 | 0000 |
| | | 1250 | | 0150 |
| 72 | 1354 | 2356 | | 1002 |
| 73 | 6 6 3 2 | 0652 | | 0 0 20 |
| ۲, | 0019 | 0626 | | 06402 |
| | | | | |

a) Need colom.

b) The system is in sofe state.

Because Avolbable is (1,5,2,0) with this \$ 9 \$ 73

Can complete their work and can realize the resumes

and Now we can able to complete all after procuses with

out deadlate.

c) Request -(0, 3, 1, 0) My Roll No. is 08 and 08 -/.3 = 1 $-1 \text{ R}, \text{ Z Need}, (0,3,1,0) \leq (0.7,5,0)$ $-1 \text{ Need}, (0,3,1,0) \leq (0.7,5,0)$

 $R_1 \leq \text{outable } (0,3,1,0) \leq (1,5,2,0)$

available = availle - sue $= (1, 5, 2, 0) - (0, 3, 1, 0) \Rightarrow (1, 2, 1, 0)$

alteredison, = alteredison + requirement

= (1,0,0,0) + (0,3,1,0)= (1,3,1,0)head, = need, = req;

= (0,7,5,0) - (0,3,1,0)= (0,7,5,0) - (0,3,1,0)

... The requit can be granted immediately , The Kalko cof

3) Time quanton = 58/10 = 8

| Prus | 7.4 | B. T | Parally | Coupling time | 7 & J | UAT |
|-----------------------|-----|------|---------|---------------|-------|-----|
| 4. | D | 12 | 8 | 23 | 23 | \$ |
| P ₂ | 0 | 20 | 3 | ۷2 | | 31 |
| P3 | 20 | 20 | 4 | % 4 | ६५ | h٩ |
| ٧, | 72 | 20 | Ų | 88 | 63 | 43 |
| f 2 | 48 | 2 | 2 | 64 | 19 | 14 |
| 60 | 22 | 12 | 2 | ٦٢ | 40 | 25 |

Aug 747 = 43,33 Aug 0A7 = 27.5

Chart chart -

| P, | P2 | P, | P2 | P3 | P4 | P2 | P3 | P5 | P4 | P6 |
0 8 16 28 31 39 49 51 59 64 72 80

1 P3 1 P4 1 P6 1 80 84 88 95 (S)) FIFO

F) F F 7 8 F F F F F F F F F F O T was F 5 = 5 F

no. of page foults = 20

ii) LRU -

2 N- F てるした 7 9 8 F 100 T 3 9 8 1 6 2 2 F 3 2 8 2 352 = 682F F F 81 F) F F F -

... no of page foults = 20

iii) uptimal (opt)

4 9 8 3 2 5 6 81 8 825F 1 F 23 F F 1 3 5 8 8 3 5 2 F -F F

No. of page faults = 16